Index	of Claims	

Application No. Applicant(s) COLLIER ET AL. 10/039,050 Art Unit Examiner 1647 Christine Saoud

√	Rejected
1	Allowed

-	(Through numeral) Cancelled
÷	Restricted

N	Non-Elected
-	Interference

Α	Appeal
0	Objected

Claim			_																					
1 + 51 + 52 1 52 1 53 1 54 4 4 4 54 4 55 56 6 7 57 7 55 56 7 57 7 8 8 58 8 9 59 1 60 60 60 11 11 11 11 11 61 1 62 1 3 1 4 <td>Cla</td> <td>im</td> <td>I</td> <td></td> <td></td> <td></td> <td>_</td> <td>_[</td> <td>Date</td> <td>9</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>Cla</td> <td>aim</td> <td></td> <td></td> <td></td> <td></td> <td>ate</td> <td>)</td> <td></td>	Cla	im	I				_	_[Date	9		_				Cla	aim					ate)	
2 3 4 4 5 53 6 55 7 55 8 58 9 59 10 61 11 62 13 63 14 64 15 65 16 66 17 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 79 30 80 31 81 32 73 33 84 33 84 34 84 35 85 33 84 34 84 35 85 36 86 <td>Final</td> <td>Original</td> <td>, 0, 0, 0</td> <td>9/30/04</td> <td></td> <td></td> <td></td> <td>;</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Final</td> <td>Original</td> <td>9/30/04</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Final	Original	, 0, 0, 0	9/30/04				;								Final	Original	9/30/04						
2 3 4 4 5 53 6 55 7 55 8 58 9 59 10 60 11 61 12 62 13 64 15 65 16 66 17 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 79 30 80 31 81 32 73 33 84 33 84 34 84 35 85 36 86 37 88 39 90 40 90 <td>-</td> <td>1</td> <td>1</td> <td>+</td> <td></td> <td>\vdash</td> <td>t</td> <td></td> <td>-</td> <td>-</td> <td>t</td> <td>7</td> <td></td> <td>_</td> <td></td> <td></td> <td>51</td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-	1	1	+		\vdash	t		-	-	t	7		_			51	+						
3 4 5 5 6 5 7 55 8 56 9 56 10 60 11 61 12 62 13 63 14 64 15 66 16 66 17 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 40 90 41 91 42 92 43 93 44 94 45 95		2	T	t	-	T	Ť				T						52	1						
5 6 7 7 7 7 7 7 7 7 7 7 7		3	Ī	T			Ī											\prod						
6 7 8 56 57 58 59 57 58 59 50 50 60 60 60 60 60 61 60 61 61 63 63 63 63 63 63 63 63 63 63 63 63 64 64 64 64 64 64 64 64 65 66 66 66 66 66 67 70 70 70 70 70 70 70 70 70 70 70 70 71 72 72 73 73 74 74 74 74 74 74 74 74 74 74 77 78 78 78 79 78 78 79 78 80 80 81 81 83 83 83				1			Ι				L						54						Ш	_
7 8 9 10 110 60 111 61 12 63 13 63 14 64 15 66 17 66 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 96		5		I							L	_					55	Ц	ļ	_	<u> </u>		Ш	_
8 9 10 60 11 61 12 62 13 64 15 65 16 66 17 66 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 96 99	<u> </u>		L	Ļ		L.	1			_	L			ļ				1	<u> </u>				\vdash	-
9 10 60 60 61 11 12 62 63 64 65 66 66 67 66 66 67 67			Ļ	L		L	1			_	1	_						Н	<u> </u>				\vdash	
10		8	1	L	ļ	_	+		<u> </u>	_	\perp	4					58	1	⊢		<u> </u>		$\vdash \vdash$	_
11 12 61 62 63 13 64 64 64 64 64 64 65 66 67 68 69 69 69 69 69 69 69 69 69 70 70 71 71 72 72 73 73 73 74 <t< td=""><td><u> </u></td><td></td><td>╀</td><td>L</td><td><u> </u></td><td> </td><td>4</td><td></td><td><u> </u></td><td></td><td>╀</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td>H</td><td>⊢</td><td></td><td></td><td></td><td>-</td><td>_</td></t<>	<u> </u>		╀	L	<u> </u>	 	4		<u> </u>		╀	4						H	⊢				-	_
12			ł	┡		-	+		⊢	-	╀				100		61	Н	ļ				\vdash	<u> </u>
13 63 14 65 15 66 16 66 17 67 18 68 19 69 20 70 21 71 22 73 23 73 24 74 25 76 27 78 29 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 48 98 49 99	-	11	+	+	-	┼	+		-	-	╁	-		-	1			H	├-	-	-			_
14 15 64 65 66 17 66 67 68 68 68 68 69 70 71 72 73 72 73 73 74 74 74 74 75 76 77 78 79 <t< td=""><td></td><td></td><td>╀</td><td>ł</td><td>┢</td><td>-</td><td>+</td><td></td><td></td><td>\vdash</td><td>+-</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td>+</td><td></td><td>-</td><td></td><td></td><td>\vdash</td><td>-</td></t<>			╀	ł	┢	-	+			\vdash	+-	-	-					+		-			\vdash	-
15		13	ł	╀			+		 	ļ	+	\dashv					64	+	-		-	-		\vdash
16 17 66 67 68 19 68 69 70 20 70 71 72 72 21 72 73 74 74 74 75 75 76 77 78 79 78 79		15	╁	H	1	-	+		-	\vdash	+	\dashv			ŀ			H	+		_	-		_
17 18 19 68 20 70 21 71 22 72 23 74 25 75 26 76 27 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99	-		+	╀		+	+		-	-	╁╴						66	H	 	 		_		
18 68 69 20 70 71 21 72 72 23 73 73 24 74 74 25 76 77 26 76 77 28 79 78 29 79 30 31 81 81 32 82 83 33 83 83 34 84 84 35 85 86 37 88 88 39 89 90 40 90 90 41 91 92 43 94 94 45 96 96 47 97 98 48 99 99	<u> </u>	17	╁	t	\vdash	+-	+		-	╁╴	$^{+}$	_			1	-			┢	<u> </u>	t –			-
19 69 20 70 21 71 22 73 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99	-		$^{+}$	t	\vdash	t	+		\vdash	\vdash	$^{+}$	-		\vdash	1.		68	\Box	†	\vdash				_
20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 93 94 44 94 45 95 46 96 47 97 48 99			t	t	┼	$^{+}$	+			<u> </u>	+	\neg						$\dagger \dagger$	T	 	T			Г
21 71 72 73 23 73 74 74 25 75 76 77 77 28 79 78 79	\vdash	20	t	t	\vdash	╁╴	†	-			Ť	\neg	_				70	П	\vdash					1
22 3 72 73 24 74 74 74 25 75 76 77 28 78 79 78 29 80 81 82 33 81 82 83 34 84 84 84 35 85 86 86 37 87 88 88 39 89 90 90 41 91 91 92 43 94 94 94 45 96 96 96 47 97 98 98 49 99 99 99		21	†	t		\dagger	†	_	\vdash		t							П	┪		Т			
23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99		22	t	t	T	T	7		<u> </u>		Ť				1	-		17						
24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99			t	†	t	<u> </u>	1		ļ	T	T				1		73	П						
25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99		24	Ť	Ť			Ţ		Γ	1	T				1			П	Π					
26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99		25	T	1	1		T			Γ]									
28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 98 49 99		26	T	T		Τ]			Ш					L.	
29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99		27	T	T].			Ш					<u> </u>	L
30 80 81 32 33 82 33 83 83 84 84 84 85 85 85 85 85		28	I	I							L							Ш	<u> </u>		L.		L	Ļ
31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99		29	1	L		L	1		_	L							79	11	_		<u> </u>			
32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		30	1	L	L	\perp	4		$oxed{oxed}$	<u> </u>	\perp			<u> </u>			80	44	_	L.	ļ	ļ	_	ļ
33 83 34 84 35 85 36 86 37 87 38 87 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		31	1	1	_	L	\downarrow		L.	_	1		_	_				₩.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Ļ
34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99		32	1	ļ	\perp	↓	4		ļ	╄	+		L	ļ_			82	₩	₩	⊢	<u> </u>	ļ	<u> </u>	<u> </u>
35 85 86 37 38 87 38 88 39 39 39 30 30 30 30 30			4	1	↓_	\downarrow	4	_	1	-	\downarrow		_	<u> </u>			83	#-	-	 -	 —		├-	-
36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		34	+	1	╄-	+-	4		┼	-	+			-				₩	+-	-		-	⊢	-
37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99	<u> </u>	35	+	+	╄-	+-	4		\vdash	╁	+		H	₩	1	<u> </u>	00	++	+	+	┼	├		\vdash
38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			+	1	-	+-	4		+	\vdash	+	_	\vdash	-	1	<u> </u>	97	+	+	+	+-	+-	-	+-
39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99	-		+	+	+-	+-	+		\vdash	╁	+			+	┨╴			+†	+-	+	+-	+-	\vdash	+
40 90 91 91 92 92 93 93 94 94 94 96 96 96 98 98 99 99 99	-		+	+	+-	+	+		\vdash	+-	+			+	1	<u> </u>	80	┿	+-	+	+-	╁	 	+
41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			+	+	+	╁	+	-	t	+	+		-	+	1	\vdash	_	+	+	+	†	T	\vdash	T
42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		41	$^{+}$	\dagger	╁	+	+		+	\dagger	$^{+}$			-	1			T	1	t^{-}	1		\vdash	T
43 93 44 94 45 95 46 96 47 97 48 98 49 99	<u> </u>	42	+	t	t	†	1		t	+	\dagger	-			1			T	\top			Γ	Т	\top
44 94 45 95 46 96 47 97 48 98 49 99			+	t	T	T	1		t	\dagger	†		<u> </u>	1	1			1		Π	1	Γ	Г	T
45 46 47 48 49 49 95 96 97 97 98 98		44	1	٢		T	1		T	T	1				1		94	Ι	Γ	\Box				Γ
46 47 48 48 49 98 99		45	1	T	T	Τ			Ι	Ι	1		Ľ]		95							Γ
47 97 98 98 99 99		46	1	Ī	Ι	Ι			Γ		I						96					\Box		
49 99 99		47	I	Ι		Ι									1							L	L^{T}	L
			I	I					L								98	L	\perp		_			L
50 + 1 100 1		49	Ţ	1		Ţ	\rfloor				1] .			L	\perp	L-	1_	<u> </u>	\perp	_
		50		+			_		<u> </u>		1		L_	<u> </u>		L	100	L		<u>L</u>	1_		<u>L</u>	<u>. </u>

Clairii							<u> </u>	_		-
Final	Original	9/30/04								
	51	+	_							
	51 52 53 54 55 56						-			
	52	Н	_		-		\dashv		-	-
	53	4	_							
	54	Ш						_		
	55									
	56	1								
	57	T								
	57 58 59	т								
	50	+	_		\vdash				_	
	60	+							_	
	00	+			-					
	61	4		<u> </u>						
	62 63	Щ			L					
	63									
	64			L						
	65									
	65 66	\sqcap								
	67									
	67 68	\top								
	69									
	70 71	Т			Г					
	71		_			-				
-	72	1				\vdash				-
<u> </u>	72	-	\vdash	\vdash	-	-			-	
-	7/	-	-	-	┢	-				
	73 74 75	-	\vdash		H	H			-	-
	76	Н	┢	⊢		\vdash	-	-		-
	76 77 78 79	-	-	┢		-	<u> </u>			
	70	╫	<u> </u>	├—				_		-
	70	H-					┝	-	-	-
<u> </u>	79	╀		ļ				_	-	ļ
	80	1		ļ.,		ļ		ļ		
	81 82	1		Ļ.,	_	<u> </u>			<u> </u>	
	82	╙		$oxed{oxed}$	<u> </u>	ļ		L		<u> </u>
	83	Ш	L			L	_		<u></u>	
	84	\prod	<u> </u>	L			L			
	85	\prod	L							
	86	П			Γ					
	87	П								
	88	T		Π						
	88 89	1	Г			T	T			
	90		Г	†	t-				1	Ι
	91	T	-	1						
	92				1	\vdash				
	93				1					
	94	T	\vdash	1		t	l		Г	
	95	t		T	1	1-	I^-	<u> </u>	<u> </u>	_
	96	<u> </u>	T	+	1	T	t		<u> </u>	
—	97	\vdash	\vdash	T	 				†	\vdash
	98		 	1	+-	†	\vdash	†	t	t^-
<u> </u>	99	+	<u> </u>	1	\vdash	+-	 	\vdash		
-	100	+	+-	+-	+-	+	\vdash	\vdash	├	\vdash

Cla	aim					Date				
ਰ	пa	ļ		.						
Final	Original	- 1						i		
	0									
	101									\neg
	101 102									
	103									
	104									
	105									
	106									
	107									
	108									
	109									
	110									
	111					L				
	112									
	113									
	114									
	115									
	111 112 113 114 115 116					L	_	<u></u>		
	117									
	118									
	119 120					L.	L		_	
	120									
	121									
	122							_		
	122 123 124	L_							L	L
	124									
	125			L.				ļ		
	126	ļ				_		_	_	
	127			<u> </u>	ļ	_	<u> </u>			
	125 126 127 128 129						<u> </u>	ļ	<u> </u>	_
	129	<u> </u>		_	<u> </u>	_		_	_	_
	130 131	<u> </u>		-		-	-		-	_
ļ	131	<u> </u>		_	_	-	<u> </u>	-	-	
	132				-	-	-	-	<u> </u>	-
	133 134	-	-	-				-	-	\vdash
<u> </u>	134	\vdash		-		 	├	\vdash	\vdash	H
	135	-	-	-		-	├	\vdash	-	
	136 137		_		\vdash		\vdash	 —	├	-
 	137	-		\vdash	-	 	├	├	\vdash	
	138 139			-	-	\vdash	-	-	\vdash	\vdash
	140	├		 	-	\vdash	\vdash		+-	\vdash
		\vdash		├		┢┈	╁╌	 -	+-	
	141	-	\vdash	 - 		\vdash	\vdash	\vdash	-	\vdash
	143		\vdash	\vdash	+-	+-	+-	\vdash	\vdash	H
	144	 	-	-	-	\vdash	\vdash	+-	\vdash	
	145	├	-	\vdash	\vdash	-	\vdash	 	\vdash	
	145	<u> </u>	\vdash	+-	\vdash	+-	+	\vdash	-	\vdash
	147	\vdash		+-	\vdash	-	+	\vdash	\vdash	\vdash
	148	┼	-	+-	+	+-	+-	\vdash	+-	\vdash
-	149		├	+-	╁╌	+	┼	\vdash	+	\vdash
	150	\vdash	\vdash	+	\vdash	+-	\vdash	\vdash	+-	\vdash
L	100			ــــــــــــــــــــــــــــــــــــــ	L		_	1	ــــــــــــــــــــــــــــــــــــــ	ш.